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Cumulative Michigan COVID-19 Data

Michigan COVID-19 State Data

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9-7-2020

## 2020-09-07\_MichiganOverview\_COVIDstats

Michigan Department of Health & Human Services

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# Coronavirus

CORONAVIRUS / MICHIGAN DATA

## Michigan Data



### DATA ABOUT PLACES

### LONG TERM CARE FACILITIES

### CORONAVIRUS SYMPTOMS

### CUMULATIVE RECOVERED



### OUTBREAK REPORTING



**Note on cases (09/07/20):** Today's daily case count represents new referrals of confirmed cases to the MDSS since Saturday, September 5. Over the two days, the average number of new confirmed cases is 578 per day.

CURRENT STATUS

DAILY CASES

CUMULATIVE TRENDS

DEMOGRAPHICS

TOTAL TESTING

DIAGNOSTIC TESTING

LEARN MORE

View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

Cases by County

4-43

44-245

246-1685

1686-18671

18672+

Michigan

Monday, September 7, 2020

Michigan (Statewide) Case Fatality Rate

6.1%

Current Totals



Case Status	Cases	Deaths
Confirmed	107,371	6,538
Probable	11,032	272
Total	118,403	6,810

Laboratory Testing

Test Type	Tests Performed
Diagnostic	2,995,886
Serology	264,881
Total	3,260,767

Microsoft Power BI

< 1 of 7 >



Cases by Hispanic/Latino Ethnicity

Hispanic/Latino Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
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https://www.michigan.gov/coronavirus/0,9753,7-406-98163\_98173---,00.html

2/4

Hispanic/Latino Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Hispanic/Latino	8%	2%
Non-Hispanic Latino	67%	84%
Unknown	25%	14%

***Totals may not add to 100% due to rounding***

#### Cases by Arab Ethnicity

Arab Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Arab	4%	2%
Non-Arab	50%	46%
Unknown	46%	52%

***Totals may not add to 100% due to rounding***

## PUBLIC USE DATASETS 9/7/2020

(Downloadable .xlsx files)

Cases and Deaths by County

Cases and Deaths by County by Date

Cases by Demographics Statewide

COVID-19 Tests by County

Diagnostic Tests by Result and County

## Cumulative Total of Recovered COVID-19 Cases

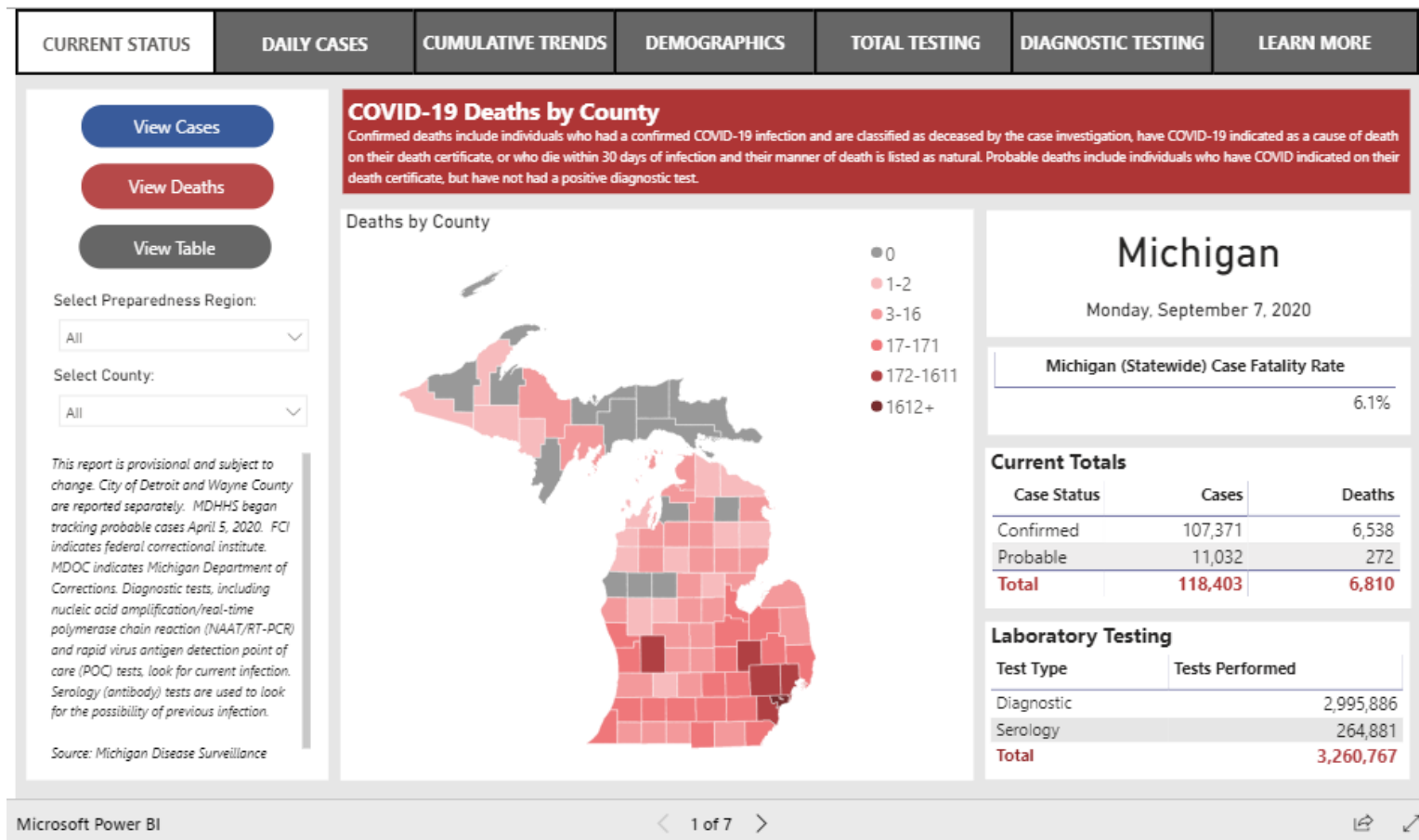
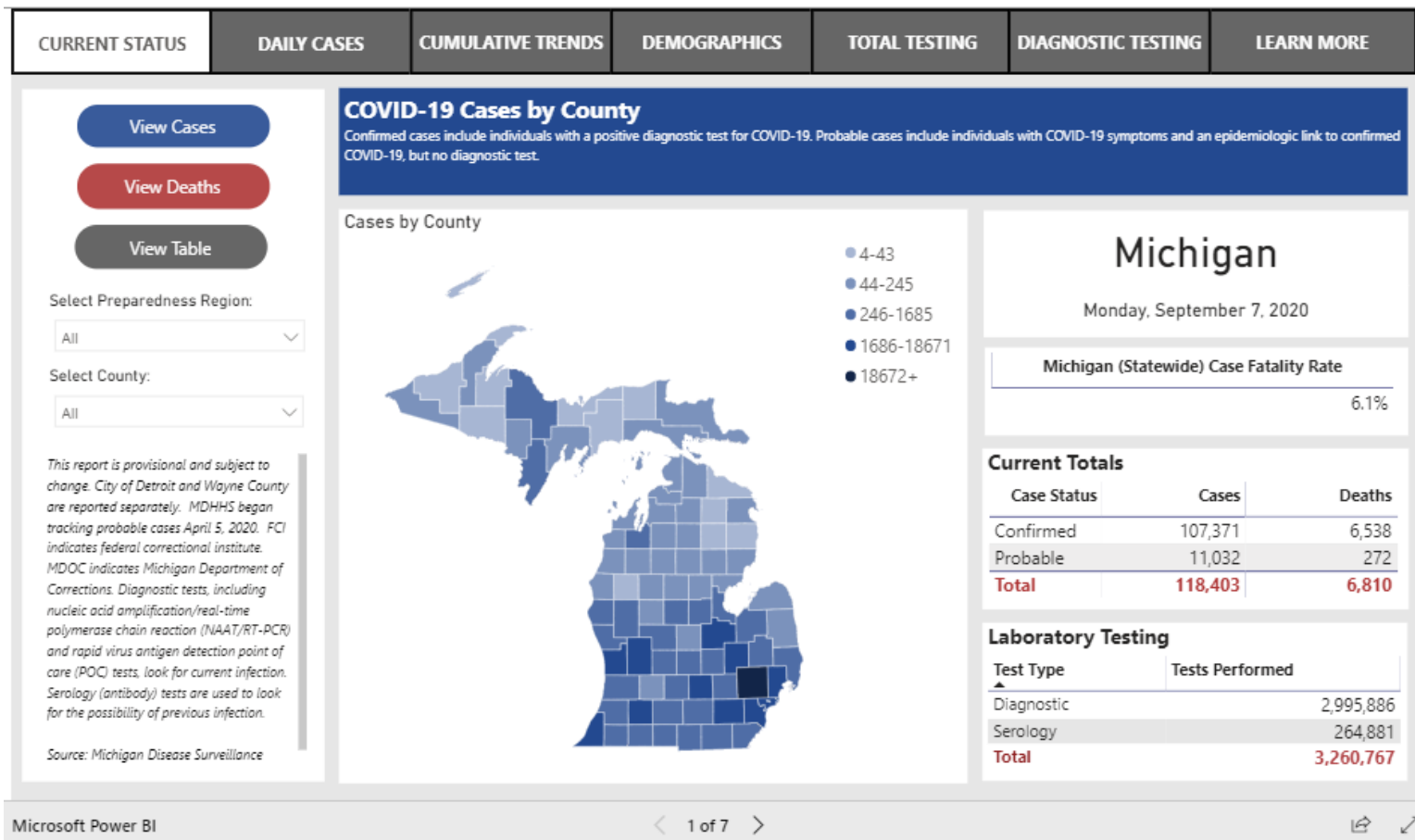
Cumulative Total of Recovered COVID-19 Cases (as of 09/04/2020): **80,678**

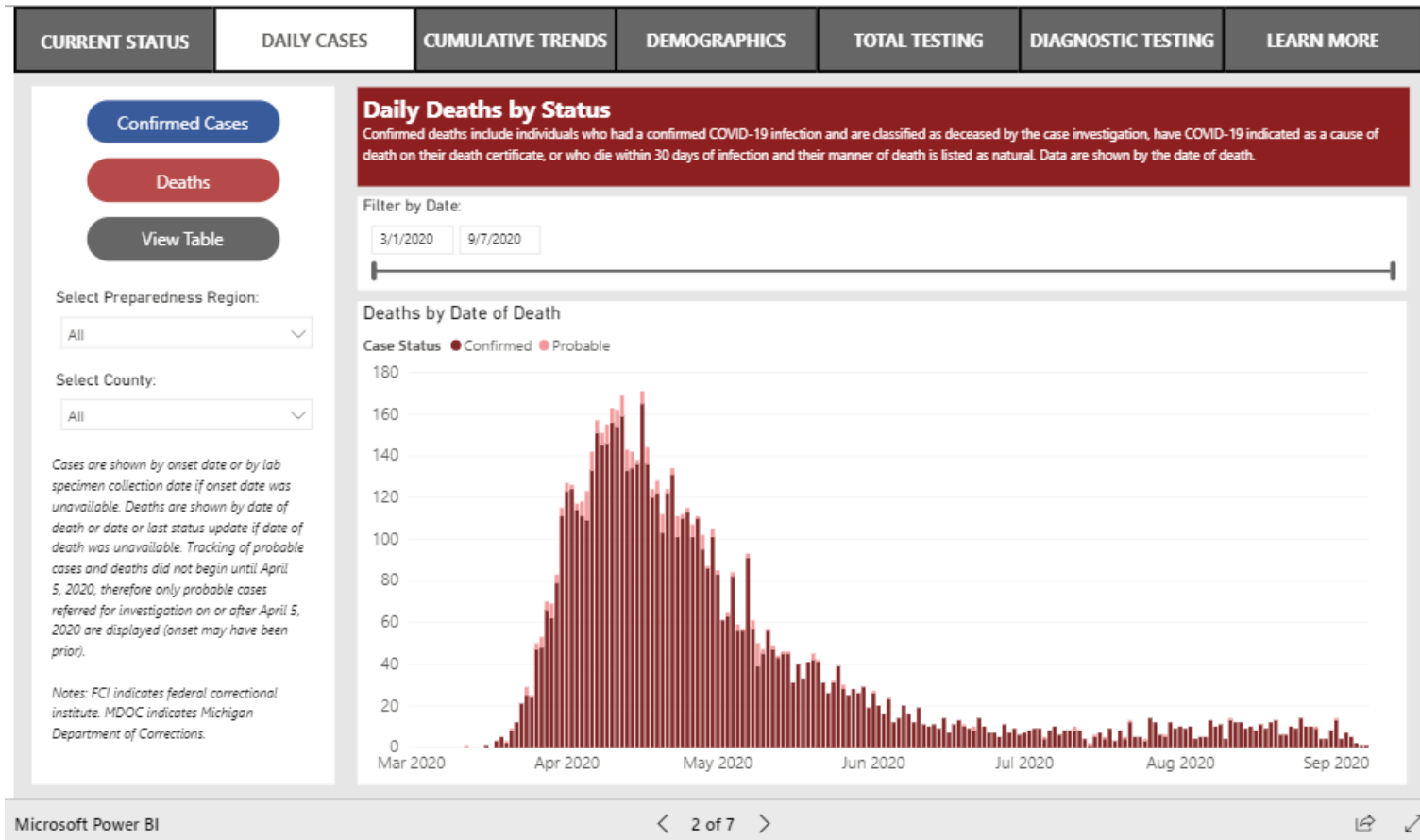
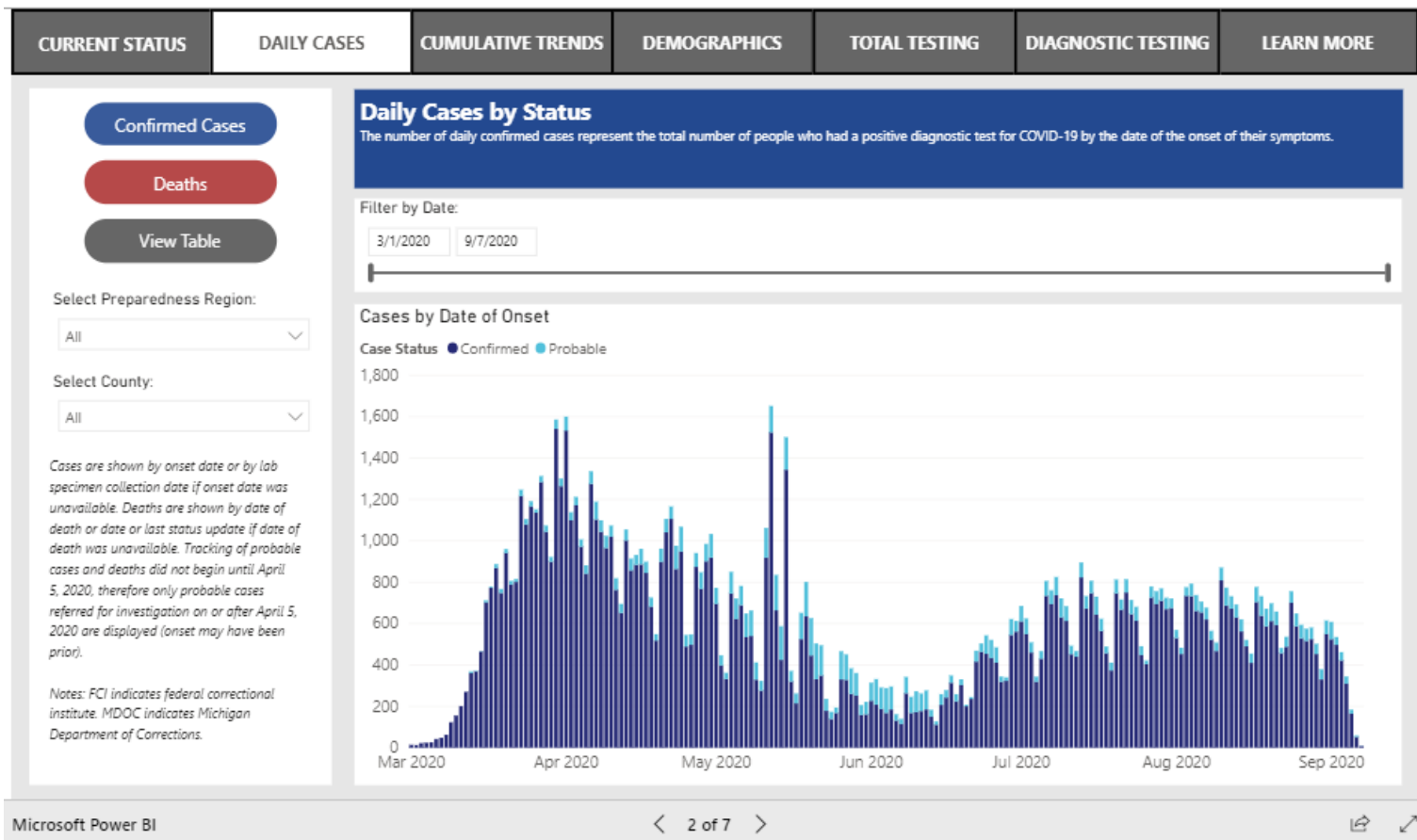
**Note on recovery:** During this response, MDHHS is reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness to represent recovery status. As the pandemic continues to impact Michigan, this pool will expand to include more cases. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). The number of persons recovered on September 4, 2020 represents COVID-19 confirmed individuals with an onset date on or prior to August 5, 2020. If an individual dies from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered. These numbers will be updated every Saturday.

**Source:** Michigan Disease Surveillance System and Vital Records

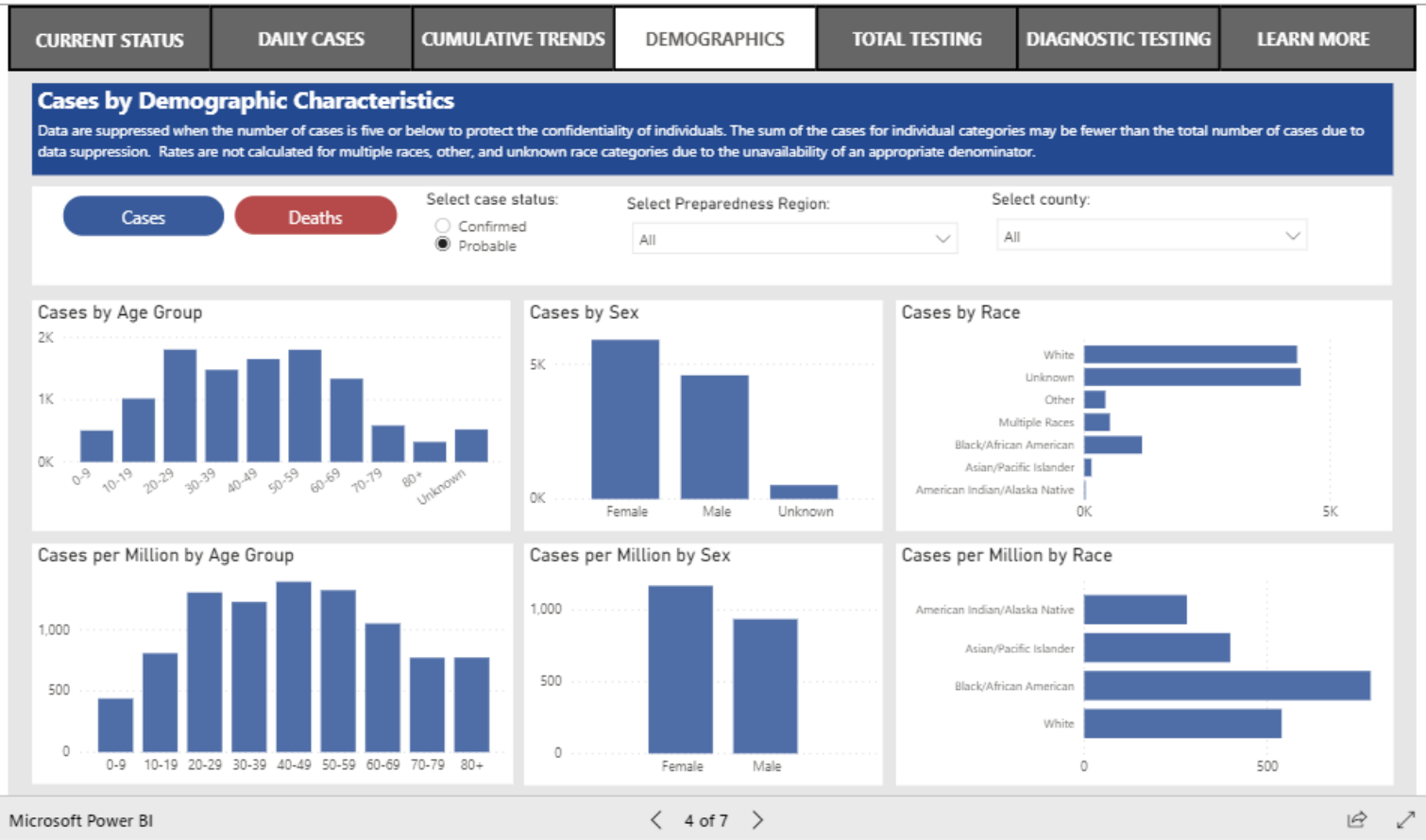


**MICHIGAN.GOV HOME**

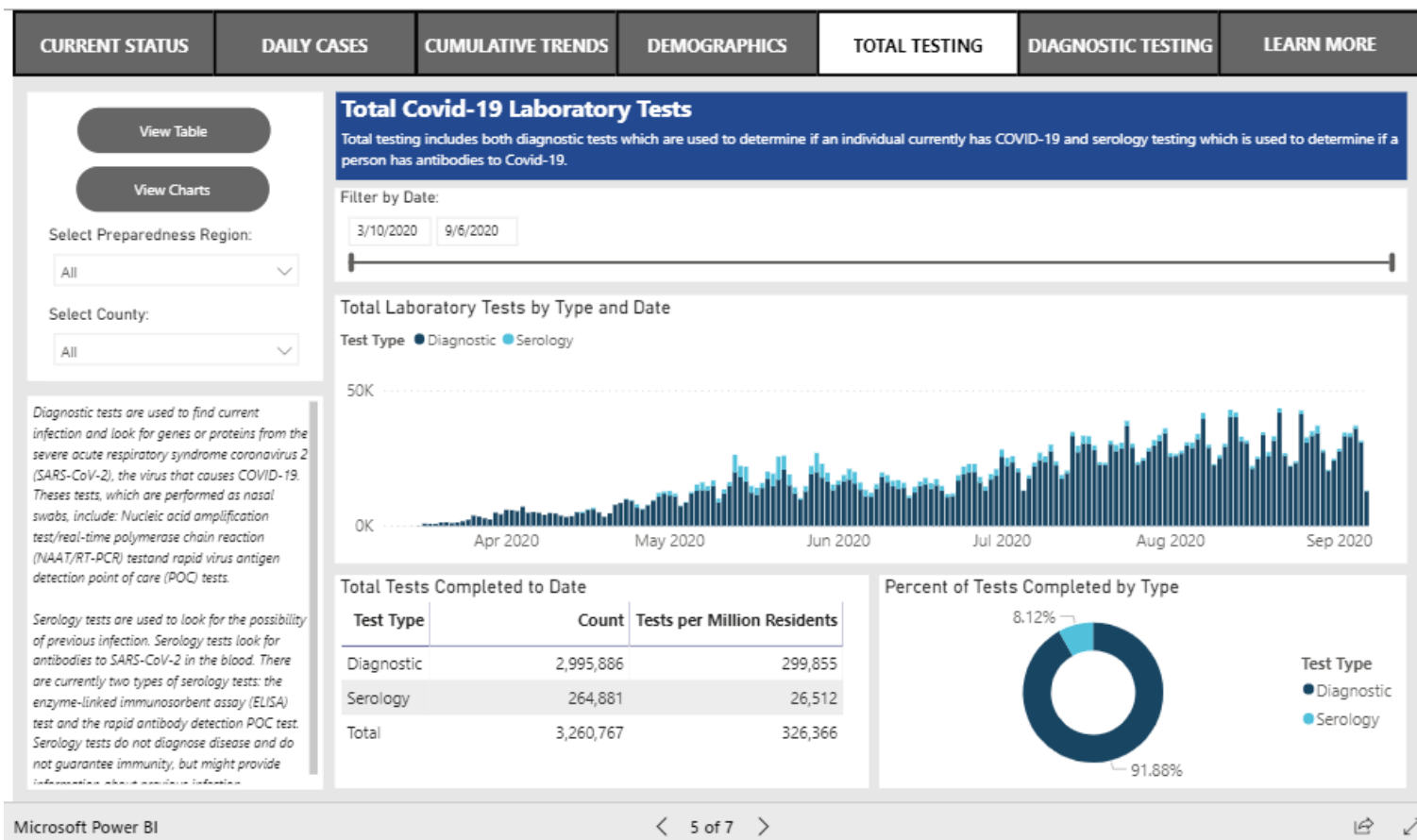
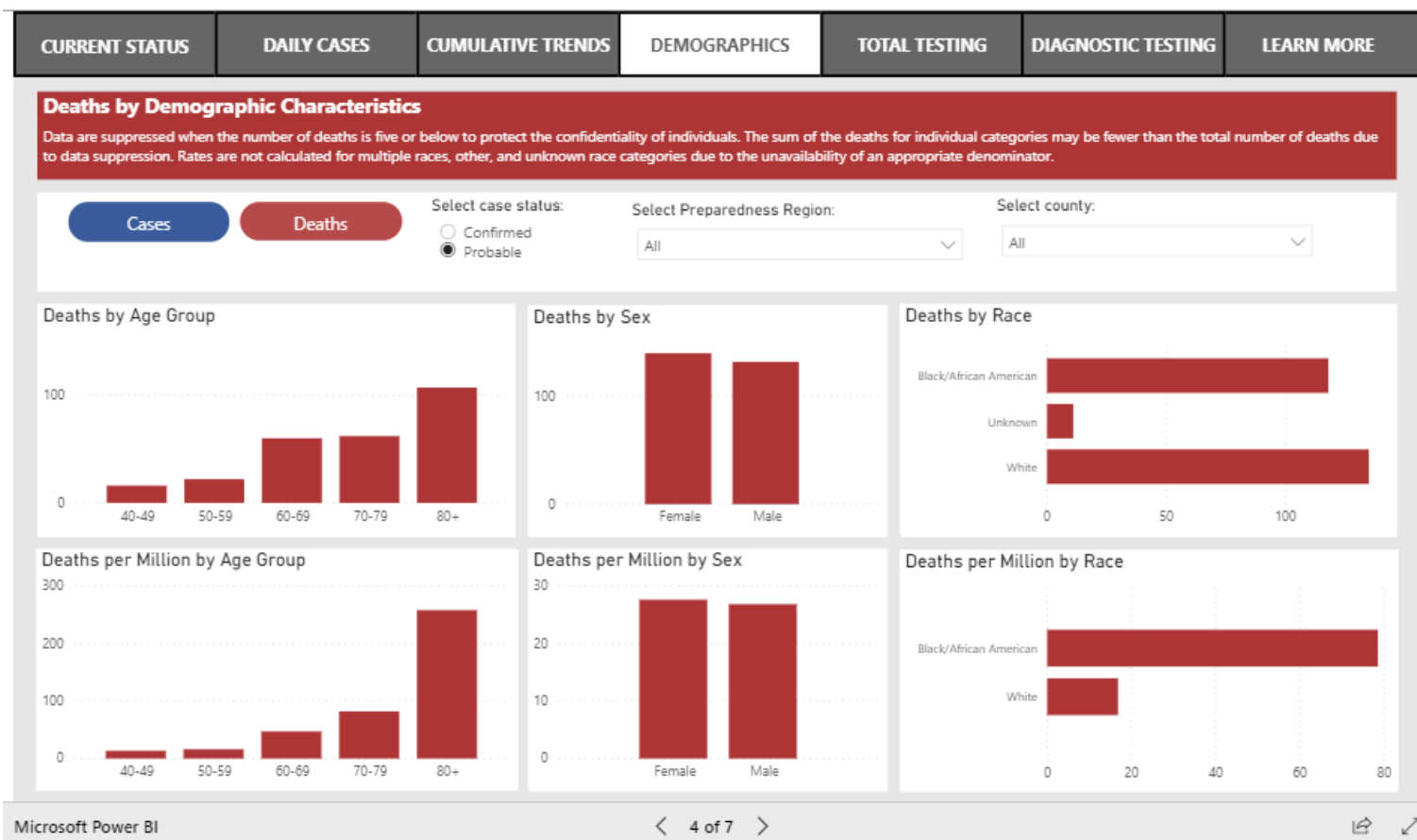


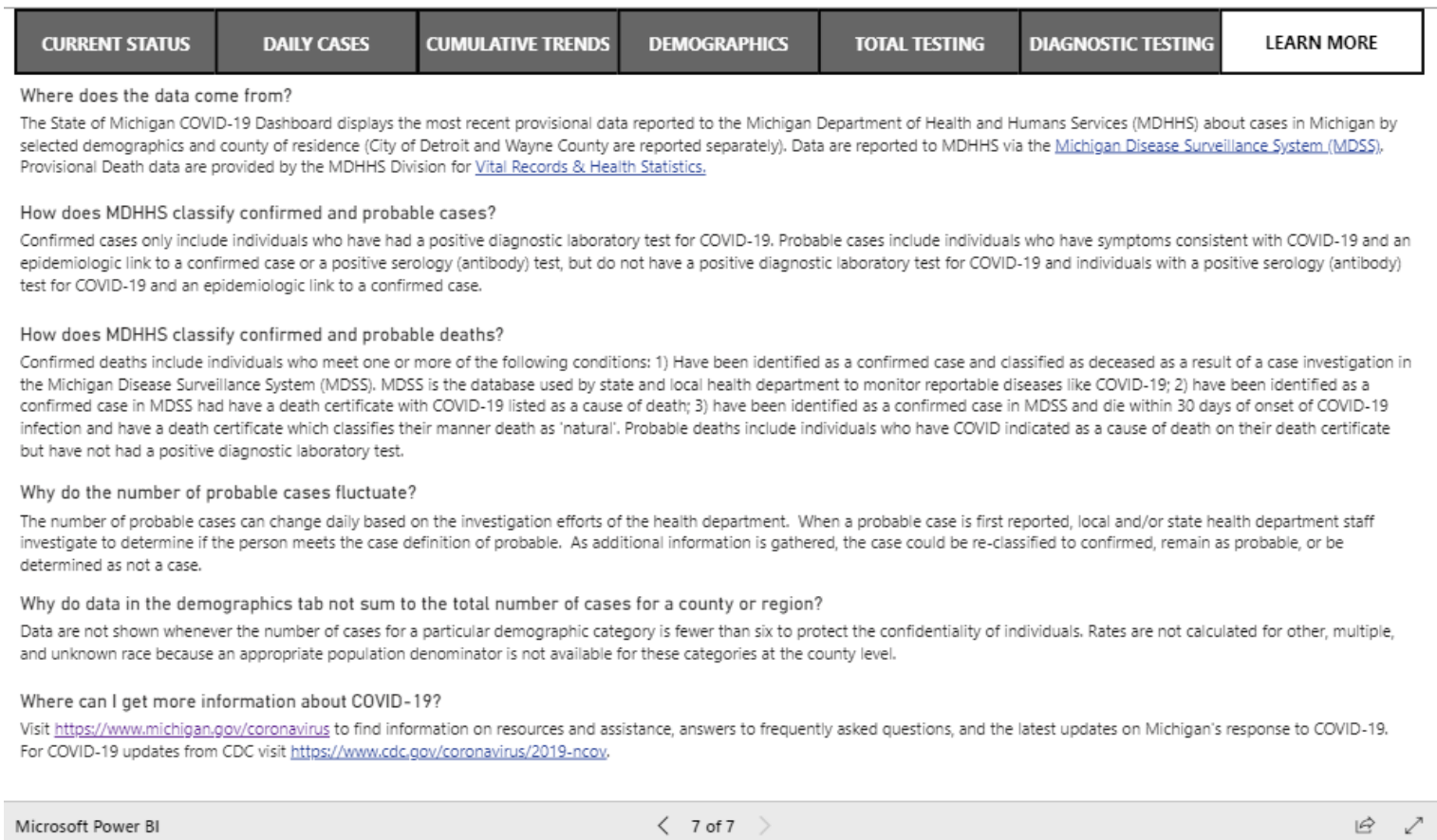
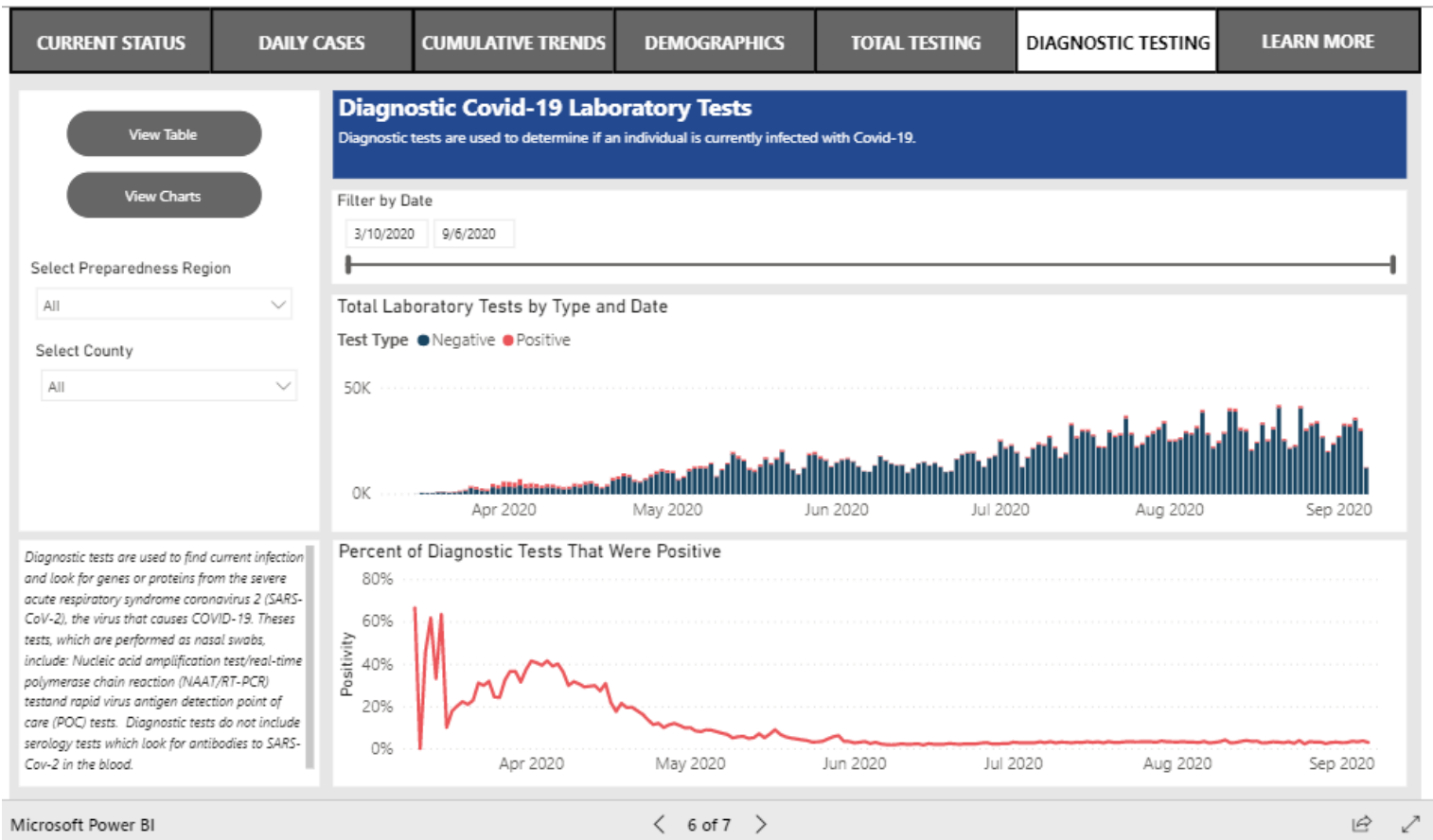












# PUBLIC USE DATASETS

## Cases and Deaths by County

### README

Includes total cases and deaths to date by case status (confirmed or probable) and county.

County is based on the county of residence.

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

# **CASES AND DEATHS BY COUNTY 2020-09-07**

Updated	COUNTY	ConfirmedCases	ConfirmedDeaths	ProbableCases	ProbableDeaths
2020/09/07 14:26:56	Alcona	31	2	7	0
2020/09/07 14:26:56	Alger	16	0	1	0
2020/09/07 14:26:56	Allegan	596	6	73	0
2020/09/07 14:26:56	Alpena	118	14	14	0
2020/09/07 14:26:56	Antrim	55	0	7	0
2020/09/07 14:26:56	Arenac	58	3	6	0
2020/09/07 14:26:56	Baraga	6	0	2	0
2020/09/07 14:26:56	Barry	203	2	25	0
2020/09/07 14:26:56	Bay	784	43	90	0
2020/09/07 14:26:56	Benzie	55	2	4	0
2020/09/07 14:26:56	Berrien	1496	70	190	0
2020/09/07 14:26:56	Branch	469	4	46	0
2020/09/07 14:26:56	Calhoun	969	43	120	1
2020/09/07 14:26:56	Cass	400	16	31	0
2020/09/07 14:26:56	Charlevoix	73	3	6	0
2020/09/07 14:26:56	Cheboygan	68	2	15	0
2020/09/07 14:26:56	Chippewa	44	0	21	0
2020/09/07 14:26:56	Clare	96	4	9	0
2020/09/07 14:26:56	Clinton	481	13	77	0
2020/09/07 14:26:56	Crawford	105	5	9	0
2020/09/07 14:26:56	Delta	157	3	29	0
2020/09/07 14:26:56	Dickinson	68	2	1	0
2020/09/07 14:26:56	Eaton	485	9	63	0
2020/09/07 14:26:56	Emmet	123	4	10	0
2020/09/07 14:26:56	Genesee	3286	279	755	26
2020/09/07 14:26:56	Gladwin	73	2	8	0
2020/09/07 14:26:56	Gogebic	137	1	10	0
2020/09/07 14:26:56	Grand Traverse	348	7	45	0
2020/09/07 14:26:56	Gratiot	180	15	20	0
2020/09/07 14:26:56	Hillsdale	280	26	25	0
2020/09/07 14:26:56	Houghton	137	1	22	0
2020/09/07 14:26:56	Huron	174	4	33	0
2020/09/07 14:26:56	Ingham	1988	40	49	0
2020/09/07 14:26:56	Ionia	289	7	35	0
2020/09/07 14:26:56	Iosco	124	11	31	1
2020/09/07 14:26:56	Iron	36	1	2	0
2020/09/07 14:26:56	Isabella	507	10	59	0
2020/09/07 14:26:56	Jackson	855	40	23	1
2020/09/07 14:26:56	Kalamazoo	1884	87	207	2
2020/09/07 14:26:56	Kalkaska	57	4	13	0
2020/09/07 14:26:56	Kent	7985	168	746	4
2020/09/07 14:26:56	Keweenaw	4	0		
2020/09/07 14:26:56	Lake	29	0	1	0
2020/09/07 14:26:56	Lapeer	474	35	87	1
2020/09/07 14:26:56	Leelanau	89	1	7	0
2020/09/07 14:26:56	Lenawee	642	13	48	0
2020/09/07 14:26:56	Livingston	1009	28	181	1

2020/09/07 14:26:56	Luce	8	0	1	0
2020/09/07 14:26:56	Mackinac	33	0	11	0
2020/09/07 14:26:56	Macomb	12831	944	471	39
2020/09/07 14:26:56	Manistee	57	1	5	0
2020/09/07 14:26:56	Marquette	225	11	40	0
2020/09/07 14:26:56	Mason	111	0	16	0
2020/09/07 14:26:56	Mecosta	105	2	7	0
2020/09/07 14:26:56	Menominee	230	0	31	0
2020/09/07 14:26:56	Midland	381	11	97	0
2020/09/07 14:26:56	Missaukee	36	1	15	0
2020/09/07 14:26:56	Monroe	1240	27	155	1
2020/09/07 14:26:56	Montcalm	226	4	20	0
2020/09/07 14:26:56	Montmorency	12	0	1	0
2020/09/07 14:26:56	Muskegon	1319	68	60	0
2020/09/07 14:26:56	Newaygo	289	1	14	0
2020/09/07 14:26:56	Oakland	14980	1129	3692	43
2020/09/07 14:26:56	Oceana	475	6	26	0
2020/09/07 14:26:56	Ogemaw	44	5	14	0
2020/09/07 14:26:56	Ontonagon	35	0	1	0
2020/09/07 14:26:56	Osceola	72	0	9	0
2020/09/07 14:26:56	Oscoda	22	1	7	0
2020/09/07 14:26:56	Otsego	134	11	22	0
2020/09/07 14:26:56	Ottawa	2427	59	137	5
2020/09/07 14:26:56	Presque Isle	20	1	2	0
2020/09/07 14:26:56	Roscommon	62	4	17	0
2020/09/07 14:26:56	Saginaw	2492	130	172	3
2020/09/07 14:26:56	Sanilac	123	6	5	1
2020/09/07 14:26:56	Schoolcraft	15	0	1	0
2020/09/07 14:26:56	Shiawassee	443	29	31	1
2020/09/07 14:26:56	St Clair	817	52	129	1
2020/09/07 14:26:56	St Joseph	607	11	91	0
2020/09/07 14:26:56	Tuscola	411	29	58	0
2020/09/07 14:26:56	Van Buren	602	15	78	2
2020/09/07 14:26:56	Washtenaw	2703	114	339	0
2020/09/07 14:26:56	Wayne	16479	1246	947	38
2020/09/07 14:26:56	Wexford	97	4	16	0
2020/09/07 14:26:56	MDOC	5462	70	7	0
2020/09/07 14:26:56	FCI	191	5	5	0
2020/09/07 14:26:56	Out-of-State	160	0	3	0
2020/09/07 14:26:56	Unknown	1	0	15	0
2020/09/07 14:26:56	Detroit City	13851	1511	1001	101

# PUBLIC USE DATASETS

## Cases by Demographics Statewide

### README

Includes the total number of confirmed and probable cases and confirmed and probable deaths to date by demographic characteristics

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

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Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

Data is suppressed when the number of cases or deaths in a single category is between one and five to protect the confidentiality of individuals.

# **CASES BY DEMOGRAPHICS STATEWIDE 2020-09-07**

CASE_STATUS	AgeCat	RaceCat	SEX	Cases	Deaths
Confirmed	0-9	American Indian/Alaska Native	Female	6	0
Confirmed	10-19	American Indian/Alaska Native	Female	25	0
Confirmed	20-29	American Indian/Alaska Native	Female	47	0
Confirmed	30-39	American Indian/Alaska Native	Female	40	0
Confirmed	40-49	American Indian/Alaska Native	Female	42	0
Confirmed	50-59	American Indian/Alaska Native	Female	47	0
Confirmed	60-69	American Indian/Alaska Native	Female	22	Suppressed
Confirmed	70-79	American Indian/Alaska Native	Female	18	Suppressed
Confirmed	80+	American Indian/Alaska Native	Female	7	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Female	0	0
Confirmed	0-9	Asian/Pacific Islander	Female	17	0
Confirmed	10-19	Asian/Pacific Islander	Female	55	0
Confirmed	20-29	Asian/Pacific Islander	Female	181	0
Confirmed	30-39	Asian/Pacific Islander	Female	222	0
Confirmed	40-49	Asian/Pacific Islander	Female	212	0
Confirmed	50-59	Asian/Pacific Islander	Female	173	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Female	105	Suppressed
Confirmed	70-79	Asian/Pacific Islander	Female	50	11
Confirmed	80+	Asian/Pacific Islander	Female	57	23
Confirmed	Unknown	Asian/Pacific Islander	Female	0	0
Confirmed	0-9	Black/African American	Female	175	Suppressed
Confirmed	10-19	Black/African American	Female	467	Suppressed
Confirmed	20-29	Black/African American	Female	2014	Suppressed
Confirmed	30-39	Black/African American	Female	1997	9
Confirmed	40-49	Black/African American	Female	2148	52
Confirmed	50-59	Black/African American	Female	2084	105
Confirmed	60-69	Black/African American	Female	1898	229
Confirmed	70-79	Black/African American	Female	1308	317
Confirmed	80+	Black/African American	Female	1029	421
Confirmed	Unknown	Black/African American	Female	Suppressed	0
Confirmed	0-9	Multiple Races	Female	71	0
Confirmed	10-19	Multiple Races	Female	334	Suppressed
Confirmed	20-29	Multiple Races	Female	799	0
Confirmed	30-39	Multiple Races	Female	625	Suppressed
Confirmed	40-49	Multiple Races	Female	718	Suppressed
Confirmed	50-59	Multiple Races	Female	751	Suppressed
Confirmed	60-69	Multiple Races	Female	464	Suppressed
Confirmed	70-79	Multiple Races	Female	219	11
Confirmed	80+	Multiple Races	Female	208	21
Confirmed	Unknown	Multiple Races	Female	Suppressed	0
Confirmed	0-9	Other	Female	127	0
Confirmed	10-19	Other	Female	417	0
Confirmed	20-29	Other	Female	783	0
Confirmed	30-39	Other	Female	593	Suppressed
Confirmed	40-49	Other	Female	574	Suppressed
Confirmed	50-59	Other	Female	393	Suppressed
Confirmed	60-69	Other	Female	253	15

Confirmed	70-79	Other	Female	129	15
Confirmed	80+	Other	Female	109	23
Confirmed	Unknown	Other	Female	0	0
Confirmed	0-9	Unknown	Female	113	0
Confirmed	10-19	Unknown	Female	650	0
Confirmed	20-29	Unknown	Female	1290	0
Confirmed	30-39	Unknown	Female	1037	0
Confirmed	40-49	Unknown	Female	1168	Suppressed
Confirmed	50-59	Unknown	Female	1163	6
Confirmed	60-69	Unknown	Female	854	14
Confirmed	70-79	Unknown	Female	496	23
Confirmed	80+	Unknown	Female	545	36
Confirmed	Unknown	Unknown	Female	9	0
Confirmed	0-9	White	Female	420	0
Confirmed	10-19	White	Female	2416	Suppressed
Confirmed	20-29	White	Female	5082	Suppressed
Confirmed	30-39	White	Female	3271	10
Confirmed	40-49	White	Female	3383	22
Confirmed	50-59	White	Female	3743	67
Confirmed	60-69	White	Female	2949	173
Confirmed	70-79	White	Female	2151	382
Confirmed	80+	White	Female	3138	1088
Confirmed	Unknown	White	Female	12	0
Confirmed	0-9	American Indian/Alaska Native	Male	9	0
Confirmed	10-19	American Indian/Alaska Native	Male	10	0
Confirmed	20-29	American Indian/Alaska Native	Male	37	0
Confirmed	30-39	American Indian/Alaska Native	Male	38	0
Confirmed	40-49	American Indian/Alaska Native	Male	44	0
Confirmed	50-59	American Indian/Alaska Native	Male	40	Suppressed
Confirmed	60-69	American Indian/Alaska Native	Male	31	6
Confirmed	70-79	American Indian/Alaska Native	Male	16	6
Confirmed	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Male	0	0
Confirmed	0-9	Asian/Pacific Islander	Male	35	0
Confirmed	10-19	Asian/Pacific Islander	Male	51	0
Confirmed	20-29	Asian/Pacific Islander	Male	190	0
Confirmed	30-39	Asian/Pacific Islander	Male	197	Suppressed
Confirmed	40-49	Asian/Pacific Islander	Male	171	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Male	142	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Male	109	13
Confirmed	70-79	Asian/Pacific Islander	Male	50	14
Confirmed	80+	Asian/Pacific Islander	Male	34	16
Confirmed	Unknown	Asian/Pacific Islander	Male	0	0
Confirmed	0-9	Black/African American	Male	164	0
Confirmed	10-19	Black/African American	Male	443	0
Confirmed	20-29	Black/African American	Male	1518	9
Confirmed	30-39	Black/African American	Male	1636	28
Confirmed	40-49	Black/African American	Male	1814	71
Confirmed	50-59	Black/African American	Male	2162	192
Confirmed	60-69	Black/African American	Male	2038	343



Confirmed	70-79	Black/African American	Male	1295	416
Confirmed	80+	Black/African American	Male	601	304
Confirmed	Unknown	Black/African American	Male	Suppressed	0
Confirmed	0-9	Multiple Races	Male	90	0
Confirmed	10-19	Multiple Races	Male	296	0
Confirmed	20-29	Multiple Races	Male	611	0
Confirmed	30-39	Multiple Races	Male	496	0
Confirmed	40-49	Multiple Races	Male	541	Suppressed
Confirmed	50-59	Multiple Races	Male	549	Suppressed
Confirmed	60-69	Multiple Races	Male	393	21
Confirmed	70-79	Multiple Races	Male	197	16
Confirmed	80+	Multiple Races	Male	87	17
Confirmed	Unknown	Multiple Races	Male	Suppressed	0
Confirmed	0-9	Other	Male	159	0
Confirmed	10-19	Other	Male	421	Suppressed
Confirmed	20-29	Other	Male	827	Suppressed
Confirmed	30-39	Other	Male	709	Suppressed
Confirmed	40-49	Other	Male	620	Suppressed
Confirmed	50-59	Other	Male	452	8
Confirmed	60-69	Other	Male	275	24
Confirmed	70-79	Other	Male	136	18
Confirmed	80+	Other	Male	58	12
Confirmed	Unknown	Other	Male	Suppressed	0
Confirmed	0-9	Unknown	Male	146	0
Confirmed	10-19	Unknown	Male	687	0
Confirmed	20-29	Unknown	Male	1373	Suppressed
Confirmed	30-39	Unknown	Male	1264	Suppressed
Confirmed	40-49	Unknown	Male	1327	11
Confirmed	50-59	Unknown	Male	1283	9
Confirmed	60-69	Unknown	Male	932	16
Confirmed	70-79	Unknown	Male	436	22
Confirmed	80+	Unknown	Male	257	31
Confirmed	Unknown	Unknown	Male	8	0
Confirmed	0-9	White	Male	491	0
Confirmed	10-19	White	Male	2018	0
Confirmed	20-29	White	Male	4106	7
Confirmed	30-39	White	Male	3153	13
Confirmed	40-49	White	Male	3102	38
Confirmed	50-59	White	Male	3728	123
Confirmed	60-69	White	Male	3197	295
Confirmed	70-79	White	Male	2174	499
Confirmed	80+	White	Male	1726	794
Confirmed	Unknown	White	Male	7	0
Confirmed	0-9	American Indian/Alaska Native	Unknown	0	0
Confirmed	10-19	American Indian/Alaska Native	Unknown	0	0
Confirmed	20-29	American Indian/Alaska Native	Unknown	0	0
Confirmed	30-39	American Indian/Alaska Native	Unknown	0	0
Confirmed	40-49	American Indian/Alaska Native	Unknown	0	0
Confirmed	50-59	American Indian/Alaska Native	Unknown	0	0
Confirmed	60-69	American Indian/Alaska Native	Unknown	0	0

Confirmed	70-79	American Indian/Alaska Native	Unknown	0	0
Confirmed	80+	American Indian/Alaska Native	Unknown	0	0
Confirmed	Unknown	American Indian/Alaska Native	Unknown	0	0
Confirmed	0-9	Asian/Pacific Islander	Unknown	0	0
Confirmed	10-19	Asian/Pacific Islander	Unknown	0	0
Confirmed	20-29	Asian/Pacific Islander	Unknown	0	0
Confirmed	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	40-49	Asian/Pacific Islander	Unknown	0	0
Confirmed	50-59	Asian/Pacific Islander	Unknown	0	0
Confirmed	60-69	Asian/Pacific Islander	Unknown	0	0
Confirmed	70-79	Asian/Pacific Islander	Unknown	0	0
Confirmed	80+	Asian/Pacific Islander	Unknown	0	0
Confirmed	Unknown	Asian/Pacific Islander	Unknown	0	0
Confirmed	0-9	Black/African American	Unknown	0	0
Confirmed	10-19	Black/African American	Unknown	Suppressed	0
Confirmed	20-29	Black/African American	Unknown	Suppressed	0
Confirmed	30-39	Black/African American	Unknown	Suppressed	0
Confirmed	40-49	Black/African American	Unknown	Suppressed	0
Confirmed	50-59	Black/African American	Unknown	Suppressed	0
Confirmed	60-69	Black/African American	Unknown	Suppressed	0
Confirmed	70-79	Black/African American	Unknown	Suppressed	0
Confirmed	80+	Black/African American	Unknown	Suppressed	0
Confirmed	Unknown	Black/African American	Unknown	0	0
Confirmed	0-9	Multiple Races	Unknown	0	0
Confirmed	10-19	Multiple Races	Unknown	Suppressed	0
Confirmed	20-29	Multiple Races	Unknown	Suppressed	0
Confirmed	30-39	Multiple Races	Unknown	Suppressed	0
Confirmed	40-49	Multiple Races	Unknown	0	0
Confirmed	50-59	Multiple Races	Unknown	Suppressed	0
Confirmed	60-69	Multiple Races	Unknown	Suppressed	0
Confirmed	70-79	Multiple Races	Unknown	Suppressed	0
Confirmed	80+	Multiple Races	Unknown	0	0
Confirmed	Unknown	Multiple Races	Unknown	Suppressed	0
Confirmed	0-9	Other	Unknown	Suppressed	0
Confirmed	10-19	Other	Unknown	Suppressed	0
Confirmed	20-29	Other	Unknown	0	0
Confirmed	30-39	Other	Unknown	Suppressed	0
Confirmed	40-49	Other	Unknown	Suppressed	0
Confirmed	50-59	Other	Unknown	Suppressed	0
Confirmed	60-69	Other	Unknown	Suppressed	0
Confirmed	70-79	Other	Unknown	0	0
Confirmed	80+	Other	Unknown	0	0
Confirmed	Unknown	Other	Unknown	Suppressed	0
Confirmed	0-9	Unknown	Unknown	7	0
Confirmed	10-19	Unknown	Unknown	17	0
Confirmed	20-29	Unknown	Unknown	41	0
Confirmed	30-39	Unknown	Unknown	24	0
Confirmed	40-49	Unknown	Unknown	31	0
Confirmed	50-59	Unknown	Unknown	24	0
Confirmed	60-69	Unknown	Unknown	8	0

Confirmed	70-79	Unknown	Unknown	Suppressed	0
Confirmed	80+	Unknown	Unknown	6	0
Confirmed	Unknown	Unknown	Unknown	Suppressed	0
Confirmed	0-9	White	Unknown	0	0
Confirmed	10-19	White	Unknown	8	0
Confirmed	20-29	White	Unknown	8	0
Confirmed	30-39	White	Unknown	6	0
Confirmed	40-49	White	Unknown	Suppressed	0
Confirmed	50-59	White	Unknown	Suppressed	0
Confirmed	60-69	White	Unknown	6	0
Confirmed	70-79	White	Unknown	Suppressed	0
Confirmed	80+	White	Unknown	Suppressed	0
Confirmed	Unknown	White	Unknown	0	0
Probable	0-9	American Indian/Alaska Native	Female	Suppressed	0
Probable	10-19	American Indian/Alaska Native	Female	0	0
Probable	20-29	American Indian/Alaska Native	Female	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Female	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Female	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Female	Suppressed	0
Probable	60-69	American Indian/Alaska Native	Female	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Female	Suppressed	0
Probable	80+	American Indian/Alaska Native	Female	0	0
Probable	Unknown	American Indian/Alaska Native	Female	0	0
Probable	0-9	Asian/Pacific Islander	Female	9	0
Probable	10-19	Asian/Pacific Islander	Female	8	0
Probable	20-29	Asian/Pacific Islander	Female	20	0
Probable	30-39	Asian/Pacific Islander	Female	16	0
Probable	40-49	Asian/Pacific Islander	Female	7	0
Probable	50-59	Asian/Pacific Islander	Female	13	0
Probable	60-69	Asian/Pacific Islander	Female	Suppressed	0
Probable	70-79	Asian/Pacific Islander	Female	Suppressed	0
Probable	80+	Asian/Pacific Islander	Female	0	0
Probable	Unknown	Asian/Pacific Islander	Female	Suppressed	0
Probable	0-9	Black/African American	Female	20	0
Probable	10-19	Black/African American	Female	40	0
Probable	20-29	Black/African American	Female	111	0
Probable	30-39	Black/African American	Female	95	0
Probable	40-49	Black/African American	Female	124	Suppressed
Probable	50-59	Black/African American	Female	133	6
Probable	60-69	Black/African American	Female	109	11
Probable	70-79	Black/African American	Female	45	10
Probable	80+	Black/African American	Female	32	22
Probable	Unknown	Black/African American	Female	Suppressed	0
Probable	0-9	Multiple Races	Female	17	0
Probable	10-19	Multiple Races	Female	24	0
Probable	20-29	Multiple Races	Female	44	0
Probable	30-39	Multiple Races	Female	22	0
Probable	40-49	Multiple Races	Female	50	0
Probable	50-59	Multiple Races	Female	56	0
Probable	60-69	Multiple Races	Female	39	0

Probable	70-79	Multiple Races	Female	11	0
Probable	80+	Multiple Races	Female	Suppressed	Suppressed
Probable	Unknown	Multiple Races	Female	9	0
Probable	0-9	Other	Female	20	0
Probable	10-19	Other	Female	33	0
Probable	20-29	Other	Female	39	0
Probable	30-39	Other	Female	41	0
Probable	40-49	Other	Female	33	0
Probable	50-59	Other	Female	24	Suppressed
Probable	60-69	Other	Female	16	Suppressed
Probable	70-79	Other	Female	8	0
Probable	80+	Other	Female	Suppressed	0
Probable	Unknown	Other	Female	Suppressed	0
Probable	0-9	Unknown	Female	35	0
Probable	10-19	Unknown	Female	155	0
Probable	20-29	Unknown	Female	361	0
Probable	30-39	Unknown	Female	299	0
Probable	40-49	Unknown	Female	394	0
Probable	50-59	Unknown	Female	405	0
Probable	60-69	Unknown	Female	329	Suppressed
Probable	70-79	Unknown	Female	133	0
Probable	80+	Unknown	Female	67	Suppressed
Probable	Unknown	Unknown	Female	34	0
Probable	0-9	White	Female	126	0
Probable	10-19	White	Female	252	0
Probable	20-29	White	Female	420	0
Probable	30-39	White	Female	305	0
Probable	40-49	White	Female	369	Suppressed
Probable	50-59	White	Female	407	Suppressed
Probable	60-69	White	Female	257	15
Probable	70-79	White	Female	137	17
Probable	80+	White	Female	91	41
Probable	Unknown	White	Female	36	0
Probable	0-9	American Indian/Alaska Native	Male	0	0
Probable	10-19	American Indian/Alaska Native	Male	Suppressed	0
Probable	20-29	American Indian/Alaska Native	Male	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Male	0	0
Probable	40-49	American Indian/Alaska Native	Male	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Male	Suppressed	0
Probable	60-69	American Indian/Alaska Native	Male	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Male	0	0
Probable	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Probable	Unknown	American Indian/Alaska Native	Male	0	0
Probable	0-9	Asian/Pacific Islander	Male	12	0
Probable	10-19	Asian/Pacific Islander	Male	Suppressed	0
Probable	20-29	Asian/Pacific Islander	Male	15	0
Probable	30-39	Asian/Pacific Islander	Male	18	0
Probable	40-49	Asian/Pacific Islander	Male	Suppressed	0
Probable	50-59	Asian/Pacific Islander	Male	7	0
Probable	60-69	Asian/Pacific Islander	Male	Suppressed	0

Probable	70-79	Asian/Pacific Islander	Male	Suppressed	0
Probable	80+	Asian/Pacific Islander	Male	0	0
Probable	Unknown	Asian/Pacific Islander	Male	0	0
Probable	0-9	Black/African American	Male	31	0
Probable	10-19	Black/African American	Male	35	0
Probable	20-29	Black/African American	Male	58	0
Probable	30-39	Black/African American	Male	54	0
Probable	40-49	Black/African American	Male	54	7
Probable	50-59	Black/African American	Male	83	7
Probable	60-69	Black/African American	Male	80	16
Probable	70-79	Black/African American	Male	43	23
Probable	80+	Black/African American	Male	17	13
Probable	Unknown	Black/African American	Male	Suppressed	0
Probable	0-9	Multiple Races	Male	19	0
Probable	10-19	Multiple Races	Male	22	0
Probable	20-29	Multiple Races	Male	37	0
Probable	30-39	Multiple Races	Male	32	0
Probable	40-49	Multiple Races	Male	41	0
Probable	50-59	Multiple Races	Male	32	0
Probable	60-69	Multiple Races	Male	22	0
Probable	70-79	Multiple Races	Male	11	0
Probable	80+	Multiple Races	Male	Suppressed	Suppressed
Probable	Unknown	Multiple Races	Male	11	0
Probable	0-9	Other	Male	19	0
Probable	10-19	Other	Male	36	0
Probable	20-29	Other	Male	46	0
Probable	30-39	Other	Male	32	0
Probable	40-49	Other	Male	28	0
Probable	50-59	Other	Male	20	0
Probable	60-69	Other	Male	16	Suppressed
Probable	70-79	Other	Male	6	Suppressed
Probable	80+	Other	Male	Suppressed	0
Probable	Unknown	Other	Male	Suppressed	0
Probable	0-9	Unknown	Male	40	0
Probable	10-19	Unknown	Male	151	0
Probable	20-29	Unknown	Male	288	0
Probable	30-39	Unknown	Male	290	Suppressed
Probable	40-49	Unknown	Male	281	Suppressed
Probable	50-59	Unknown	Male	301	0
Probable	60-69	Unknown	Male	224	Suppressed
Probable	70-79	Unknown	Male	90	Suppressed
Probable	80+	Unknown	Male	37	Suppressed
Probable	Unknown	Unknown	Male	21	0
Probable	0-9	White	Male	141	0
Probable	10-19	White	Male	242	0
Probable	20-29	White	Male	335	Suppressed
Probable	30-39	White	Male	247	Suppressed
Probable	40-49	White	Male	239	Suppressed
Probable	50-59	White	Male	301	Suppressed
Probable	60-69	White	Male	222	12

Probable	70-79	White	Male	92	10
Probable	80+	White	Male	64	23
Probable	Unknown	White	Male	20	0
Probable	0-9	American Indian/Alaska Native	Unknown	0	0
Probable	10-19	American Indian/Alaska Native	Unknown	0	0
Probable	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Unknown	0	0
Probable	40-49	American Indian/Alaska Native	Unknown	0	0
Probable	50-59	American Indian/Alaska Native	Unknown	0	0
Probable	60-69	American Indian/Alaska Native	Unknown	0	0
Probable	70-79	American Indian/Alaska Native	Unknown	0	0
Probable	80+	American Indian/Alaska Native	Unknown	0	0
Probable	Unknown	American Indian/Alaska Native	Unknown	0	0
Probable	0-9	Asian/Pacific Islander	Unknown	0	0
Probable	10-19	Asian/Pacific Islander	Unknown	0	0
Probable	20-29	Asian/Pacific Islander	Unknown	0	0
Probable	30-39	Asian/Pacific Islander	Unknown	0	0
Probable	40-49	Asian/Pacific Islander	Unknown	0	0
Probable	50-59	Asian/Pacific Islander	Unknown	0	0
Probable	60-69	Asian/Pacific Islander	Unknown	0	0
Probable	70-79	Asian/Pacific Islander	Unknown	0	0
Probable	80+	Asian/Pacific Islander	Unknown	0	0
Probable	Unknown	Asian/Pacific Islander	Unknown	0	0
Probable	0-9	Black/African American	Unknown	0	0
Probable	10-19	Black/African American	Unknown	0	0
Probable	20-29	Black/African American	Unknown	0	0
Probable	30-39	Black/African American	Unknown	0	0
Probable	40-49	Black/African American	Unknown	0	0
Probable	50-59	Black/African American	Unknown	0	0
Probable	60-69	Black/African American	Unknown	Suppressed	0
Probable	70-79	Black/African American	Unknown	0	0
Probable	80+	Black/African American	Unknown	0	0
Probable	Unknown	Black/African American	Unknown	Suppressed	0
Probable	0-9	Multiple Races	Unknown	Suppressed	0
Probable	10-19	Multiple Races	Unknown	0	0
Probable	20-29	Multiple Races	Unknown	Suppressed	0
Probable	30-39	Multiple Races	Unknown	Suppressed	0
Probable	40-49	Multiple Races	Unknown	Suppressed	0
Probable	50-59	Multiple Races	Unknown	Suppressed	0
Probable	60-69	Multiple Races	Unknown	Suppressed	0
Probable	70-79	Multiple Races	Unknown	0	0
Probable	80+	Multiple Races	Unknown	0	0
Probable	Unknown	Multiple Races	Unknown	0	0
Probable	0-9	Other	Unknown	0	0
Probable	10-19	Other	Unknown	0	0
Probable	20-29	Other	Unknown	0	0
Probable	30-39	Other	Unknown	0	0
Probable	40-49	Other	Unknown	0	0
Probable	50-59	Other	Unknown	0	0
Probable	60-69	Other	Unknown	0	0

Probable	70-79	Other	Unknown	0	0
Probable	80+	Other	Unknown	0	0
Probable	Unknown	Other	Unknown	Suppressed	0
Probable	0-9	Unknown	Unknown	8	0
Probable	10-19	Unknown	Unknown	13	0
Probable	20-29	Unknown	Unknown	16	0
Probable	30-39	Unknown	Unknown	23	0
Probable	40-49	Unknown	Unknown	17	0
Probable	50-59	Unknown	Unknown	10	0
Probable	60-69	Unknown	Unknown	12	0
Probable	70-79	Unknown	Unknown	Suppressed	0
Probable	80+	Unknown	Unknown	Suppressed	0
Probable	Unknown	Unknown	Unknown	365	0
Probable	0-9	White	Unknown	Suppressed	0
Probable	10-19	White	Unknown	Suppressed	0
Probable	20-29	White	Unknown	Suppressed	0
Probable	30-39	White	Unknown	Suppressed	0
Probable	40-49	White	Unknown	Suppressed	0
Probable	50-59	White	Unknown	6	0
Probable	60-69	White	Unknown	0	0
Probable	70-79	White	Unknown	0	0
Probable	80+	White	Unknown	0	0
Probable	Unknown	White	Unknown	6	0

# PUBLIC USE DATASETS

## COVID-19 Tests by County

### README

Data includes tests by type (diagnostic, serology or total combined) by county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Correctional includes state and federal prisons and county and city detention facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.



# COVID-19 TESTS BY COUNTY 2020-09-07

Updated	COUNTY	TestType	Count	RatePerMillion
2020/09/07 14:27:00	Alcona	Diagnostic	1797	172705
2020/09/07 14:27:00	Alcona	Serology	48	4613
2020/09/07 14:27:00	Alcona	Total	1845	177319
2020/09/07 14:27:00	Alger	Diagnostic	982	107817
2020/09/07 14:27:00	Alger	Serology	66	7246
2020/09/07 14:27:00	Alger	Total	1048	115064
2020/09/07 14:27:00	Allegan	Diagnostic	27124	229707
2020/09/07 14:27:00	Allegan	Serology	753	6377
2020/09/07 14:27:00	Allegan	Total	27877	236084
2020/09/07 14:27:00	Alpena	Diagnostic	2398	84422
2020/09/07 14:27:00	Alpena	Serology	128	4506
2020/09/07 14:27:00	Alpena	Total	2526	88928
2020/09/07 14:27:00	Antrim	Diagnostic	4545	194864
2020/09/07 14:27:00	Antrim	Serology	83	3559
2020/09/07 14:27:00	Antrim	Total	4628	198422
2020/09/07 14:27:00	Arenac	Diagnostic	3399	228381
2020/09/07 14:27:00	Arenac	Serology	124	8332
2020/09/07 14:27:00	Arenac	Total	3523	236713
2020/09/07 14:27:00	Baraga	Diagnostic	1716	209039
2020/09/07 14:27:00	Baraga	Serology	41	4995
2020/09/07 14:27:00	Baraga	Total	1757	214033
2020/09/07 14:27:00	Barry	Diagnostic	13957	226759
2020/09/07 14:27:00	Barry	Serology	601	9764
2020/09/07 14:27:00	Barry	Total	14558	236523
2020/09/07 14:27:00	Bay	Diagnostic	30154	292400
2020/09/07 14:27:00	Bay	Serology	1218	11811
2020/09/07 14:27:00	Bay	Total	31372	304210
2020/09/07 14:27:00	Benzie	Diagnostic	3528	198582
2020/09/07 14:27:00	Benzie	Serology	43	2420
2020/09/07 14:27:00	Benzie	Total	3571	201002
2020/09/07 14:27:00	Berrien	Diagnostic	57124	372383
2020/09/07 14:27:00	Berrien	Serology	1762	11486
2020/09/07 14:27:00	Berrien	Total	58886	383870
2020/09/07 14:27:00	Branch	Serology	140	3217
2020/09/07 14:27:00	Branch	Diagnostic	7684	176575
2020/09/07 14:27:00	Branch	Total	7824	179792
2020/09/07 14:27:00	Calhoun	Diagnostic	43102	321276
2020/09/07 14:27:00	Calhoun	Serology	699	5210
2020/09/07 14:27:00	Calhoun	Total	43801	326486
2020/09/07 14:27:00	Cass	Diagnostic	8710	168189
2020/09/07 14:27:00	Cass	Serology	224	4325
2020/09/07 14:27:00	Cass	Total	8934	172514
2020/09/07 14:27:00	Charlevoix	Serology	320	12240
2020/09/07 14:27:00	Charlevoix	Diagnostic	5892	225376
2020/09/07 14:27:00	Charlevoix	Total	6212	237616
2020/09/07 14:27:00	Cheboygan	Serology	188	7438
2020/09/07 14:27:00	Cheboygan	Diagnostic	2955	116909

2020/09/07 14:27:00	Cheboygan	Total	3143	124347
2020/09/07 14:27:00	Chippewa	Serology	88	2356
2020/09/07 14:27:00	Chippewa	Diagnostic	4452	119200
2020/09/07 14:27:00	Chippewa	Total	4540	121556
2020/09/07 14:27:00	Clare	Diagnostic	4207	135929
2020/09/07 14:27:00	Clare	Serology	220	7108
2020/09/07 14:27:00	Clare	Total	4427	143037
2020/09/07 14:27:00	Clinton	Diagnostic	15103	189748
2020/09/07 14:27:00	Clinton	Serology	2432	30555
2020/09/07 14:27:00	Clinton	Total	17535	220303
2020/09/07 14:27:00	Correctional	Diagnostic	73848	
2020/09/07 14:27:00	Correctional	Serology	10763	
2020/09/07 14:27:00	Correctional	Total	84611	
2020/09/07 14:27:00	Crawford	Diagnostic	2418	172357
2020/09/07 14:27:00	Crawford	Serology	50	3564
2020/09/07 14:27:00	Crawford	Total	2468	175921
2020/09/07 14:27:00	Delta	Diagnostic	8617	240806
2020/09/07 14:27:00	Delta	Serology	225	6288
2020/09/07 14:27:00	Delta	Total	8842	247094
2020/09/07 14:27:00	Detroit City	Serology	13540	20837
2020/09/07 14:27:00	Detroit City	Diagnostic	241030	370927
2020/09/07 14:27:00	Detroit City	Total	254570	391764
2020/09/07 14:27:00	Dickinson	Serology	68	2694
2020/09/07 14:27:00	Dickinson	Diagnostic	3421	135544
2020/09/07 14:27:00	Dickinson	Total	3489	138238
2020/09/07 14:27:00	Eaton	Diagnostic	32321	293113
2020/09/07 14:27:00	Eaton	Serology	3680	33373
2020/09/07 14:27:00	Eaton	Total	36001	326486
2020/09/07 14:27:00	Emmet	Diagnostic	7319	219033
2020/09/07 14:27:00	Emmet	Serology	776	23223
2020/09/07 14:27:00	Emmet	Total	8095	242256
2020/09/07 14:27:00	Genesee	Diagnostic	81576	201019
2020/09/07 14:27:00	Genesee	Serology	10192	25115
2020/09/07 14:27:00	Genesee	Total	91768	226134
2020/09/07 14:27:00	Gladwin	Diagnostic	4533	178121
2020/09/07 14:27:00	Gladwin	Serology	133	5226
2020/09/07 14:27:00	Gladwin	Total	4666	183347
2020/09/07 14:27:00	Gogebic	Diagnostic	6212	444508
2020/09/07 14:27:00	Gogebic	Serology	42	3005
2020/09/07 14:27:00	Gogebic	Total	6254	447513
2020/09/07 14:27:00	Grand Traverse	Serology	410	4404
2020/09/07 14:27:00	Grand Traverse	Diagnostic	19901	213787
2020/09/07 14:27:00	Grand Traverse	Total	20311	218191
2020/09/07 14:27:00	Gratiot	Diagnostic	13115	322149
2020/09/07 14:27:00	Gratiot	Serology	342	8401
2020/09/07 14:27:00	Gratiot	Total	13457	330549
2020/09/07 14:27:00	Hillsdale	Diagnostic	9633	211227
2020/09/07 14:27:00	Hillsdale	Serology	284	6227
2020/09/07 14:27:00	Hillsdale	Total	9917	217454
2020/09/07 14:27:00	Houghton	Diagnostic	7324	205246

2020/09/07 14:27:00	Houghton	Serology	120	3363
2020/09/07 14:27:00	Houghton	Total	7444	208609
2020/09/07 14:27:00	Huron	Diagnostic	8201	264711
2020/09/07 14:27:00	Huron	Serology	248	8005
2020/09/07 14:27:00	Huron	Total	8449	272716
2020/09/07 14:27:00	Ingham	Diagnostic	89866	307333
2020/09/07 14:27:00	Ingham	Serology	12412	42448
2020/09/07 14:27:00	Ingham	Total	102278	349781
2020/09/07 14:27:00	Ionia	Diagnostic	16596	256519
2020/09/07 14:27:00	Ionia	Serology	984	15209
2020/09/07 14:27:00	Ionia	Total	17580	271728
2020/09/07 14:27:00	Iosco	Diagnostic	6211	247184
2020/09/07 14:27:00	Iosco	Serology	149	5930
2020/09/07 14:27:00	Iosco	Total	6360	253114
2020/09/07 14:27:00	Iron	Diagnostic	5020	453642
2020/09/07 14:27:00	Iron	Serology	17	1536
2020/09/07 14:27:00	Iron	Total	5037	455178
2020/09/07 14:27:00	Isabella	Serology	469	6712
2020/09/07 14:27:00	Isabella	Diagnostic	10475	149917
2020/09/07 14:27:00	Isabella	Total	10944	156629
2020/09/07 14:27:00	Jackson	Serology	1309	8258
2020/09/07 14:27:00	Jackson	Diagnostic	51336	323866
2020/09/07 14:27:00	Jackson	Total	52645	332124
2020/09/07 14:27:00	Kalamazoo	Diagnostic	66877	252303
2020/09/07 14:27:00	Kalamazoo	Serology	2386	9002
2020/09/07 14:27:00	Kalamazoo	Total	69263	261305
2020/09/07 14:27:00	Kalkaska	Diagnostic	4956	274753
2020/09/07 14:27:00	Kalkaska	Serology	36	1996
2020/09/07 14:27:00	Kalkaska	Total	4992	276749
2020/09/07 14:27:00	Kent	Serology	12464	18972
2020/09/07 14:27:00	Kent	Diagnostic	211134	321383
2020/09/07 14:27:00	Kent	Total	223598	340355
2020/09/07 14:27:00	Keweenaw	Diagnostic	439	207467
2020/09/07 14:27:00	Keweenaw	Serology	14	6616
2020/09/07 14:27:00	Keweenaw	Total	453	214083
2020/09/07 14:27:00	Lake	Diagnostic	2978	251244
2020/09/07 14:27:00	Lake	Serology	107	9027
2020/09/07 14:27:00	Lake	Total	3085	260272
2020/09/07 14:27:00	Lapeer	Diagnostic	14866	169690
2020/09/07 14:27:00	Lapeer	Serology	1538	17556
2020/09/07 14:27:00	Lapeer	Total	16404	187245
2020/09/07 14:27:00	Leelanau	Serology	88	4044
2020/09/07 14:27:00	Leelanau	Diagnostic	3346	153761
2020/09/07 14:27:00	Leelanau	Total	3434	157805
2020/09/07 14:27:00	Lenawee	Diagnostic	20087	204030
2020/09/07 14:27:00	Lenawee	Serology	712	7232
2020/09/07 14:27:00	Lenawee	Total	20799	211262
2020/09/07 14:27:00	Livingston	Diagnostic	46197	240616
2020/09/07 14:27:00	Livingston	Serology	4281	22297
2020/09/07 14:27:00	Livingston	Total	50478	262913

2020/09/07 14:27:00	Luce	Serology	34	5458
2020/09/07 14:27:00	Luce	Diagnostic	1023	164232
2020/09/07 14:27:00	Luce	Total	1057	169690
2020/09/07 14:27:00	Mackinac	Diagnostic	1542	142791
2020/09/07 14:27:00	Mackinac	Serology	44	4074
2020/09/07 14:27:00	Mackinac	Total	1586	146865
2020/09/07 14:27:00	Macomb	Serology	27352	31296
2020/09/07 14:27:00	Macomb	Diagnostic	205819	235498
2020/09/07 14:27:00	Macomb	Total	233171	266795
2020/09/07 14:27:00	Manistee	Diagnostic	3976	161902
2020/09/07 14:27:00	Manistee	Serology	127	5171
2020/09/07 14:27:00	Manistee	Total	4103	167074
2020/09/07 14:27:00	Marquette	Diagnostic	27208	407922
2020/09/07 14:27:00	Marquette	Serology	880	13194
2020/09/07 14:27:00	Marquette	Total	28088	421116
2020/09/07 14:27:00	Mason	Diagnostic	8922	306135
2020/09/07 14:27:00	Mason	Serology	398	13656
2020/09/07 14:27:00	Mason	Total	9320	319791
2020/09/07 14:27:00	Mecosta	Diagnostic	9233	212482
2020/09/07 14:27:00	Mecosta	Serology	397	9136
2020/09/07 14:27:00	Mecosta	Total	9630	221619
2020/09/07 14:27:00	Menominee	Diagnostic	3925	172300
2020/09/07 14:27:00	Menominee	Serology	39	1712
2020/09/07 14:27:00	Menominee	Total	3964	174012
2020/09/07 14:27:00	Midland	Serology	783	9416
2020/09/07 14:27:00	Midland	Diagnostic	11684	140507
2020/09/07 14:27:00	Midland	Total	12467	149923
2020/09/07 14:27:00	Missaukee	Diagnostic	2511	166093
2020/09/07 14:27:00	Missaukee	Serology	68	4498
2020/09/07 14:27:00	Missaukee	Total	2579	170591
2020/09/07 14:27:00	Monroe	Diagnostic	30889	205243
2020/09/07 14:27:00	Monroe	Serology	2472	16425
2020/09/07 14:27:00	Monroe	Total	33361	221668
2020/09/07 14:27:00	Montcalm	Serology	886	13868
2020/09/07 14:27:00	Montcalm	Diagnostic	17415	272586
2020/09/07 14:27:00	Montcalm	Total	18301	286454
2020/09/07 14:27:00	Montmorency	Diagnostic	1165	124893
2020/09/07 14:27:00	Montmorency	Serology	84	9005
2020/09/07 14:27:00	Montmorency	Total	1249	133898
2020/09/07 14:27:00	Muskegon	Serology	1180	6799
2020/09/07 14:27:00	Muskegon	Diagnostic	55665	320714
2020/09/07 14:27:00	Muskegon	Total	56845	327512
2020/09/07 14:27:00	Newaygo	Diagnostic	12103	247101
2020/09/07 14:27:00	Newaygo	Serology	551	11249
2020/09/07 14:27:00	Newaygo	Total	12654	258350
2020/09/07 14:27:00	Oakland	Diagnostic	317754	252670
2020/09/07 14:27:00	Oakland	Serology	59843	47586
2020/09/07 14:27:00	Oakland	Total	377597	300256
2020/09/07 14:27:00	Oceana	Serology	273	10315
2020/09/07 14:27:00	Oceana	Diagnostic	10487	396229

2020/09/07 14:27:00	Oceana	Total	10760	406544
2020/09/07 14:27:00	Ogemaw	Serology	104	4953
2020/09/07 14:27:00	Ogemaw	Diagnostic	3621	172453
2020/09/07 14:27:00	Ogemaw	Total	3725	177406
2020/09/07 14:27:00	Ontonagon	Diagnostic	2041	356818
2020/09/07 14:27:00	Ontonagon	Serology	16	2797
2020/09/07 14:27:00	Ontonagon	Total	2057	359615
2020/09/07 14:27:00	Osceola	Serology	222	9463
2020/09/07 14:27:00	Osceola	Diagnostic	6789	289386
2020/09/07 14:27:00	Osceola	Total	7011	298849
2020/09/07 14:27:00	Oscoda	Diagnostic	1090	132266
2020/09/07 14:27:00	Oscoda	Serology	16	1942
2020/09/07 14:27:00	Oscoda	Total	1106	134207
2020/09/07 14:27:00	Otsego	Diagnostic	3419	138601
2020/09/07 14:27:00	Otsego	Serology	237	9608
2020/09/07 14:27:00	Otsego	Total	3656	148208
2020/09/07 14:27:00	Ottawa	Diagnostic	84069	288075
2020/09/07 14:27:00	Ottawa	Serology	3868	13254
2020/09/07 14:27:00	Ottawa	Total	87937	301330
2020/09/07 14:27:00	Presque Isle	Serology	114	9053
2020/09/07 14:27:00	Presque Isle	Diagnostic	1524	121029
2020/09/07 14:27:00	Presque Isle	Total	1638	130083
2020/09/07 14:27:00	Roscommon	Diagnostic	4700	195678
2020/09/07 14:27:00	Roscommon	Serology	241	10034
2020/09/07 14:27:00	Roscommon	Total	4941	205712
2020/09/07 14:27:00	Saginaw	Diagnostic	65803	345352
2020/09/07 14:27:00	Saginaw	Serology	1258	6602
2020/09/07 14:27:00	Saginaw	Total	67061	351954
2020/09/07 14:27:00	Sanilac	Serology	439	10663
2020/09/07 14:27:00	Sanilac	Diagnostic	10091	245106
2020/09/07 14:27:00	Sanilac	Total	10530	255769
2020/09/07 14:27:00	Schoolcraft	Serology	37	4571
2020/09/07 14:27:00	Schoolcraft	Diagnostic	1360	168026
2020/09/07 14:27:00	Schoolcraft	Total	1397	172597
2020/09/07 14:27:00	Shiawassee	Diagnostic	15265	224083
2020/09/07 14:27:00	Shiawassee	Serology	1390	20405
2020/09/07 14:27:00	Shiawassee	Total	16655	244488
2020/09/07 14:27:00	St Clair	Serology	3928	24685
2020/09/07 14:27:00	St Clair	Diagnostic	28480	178975
2020/09/07 14:27:00	St Clair	Total	32408	203660
2020/09/07 14:27:00	St Joseph	Diagnostic	15110	247851
2020/09/07 14:27:00	St Joseph	Serology	558	9153
2020/09/07 14:27:00	St Joseph	Total	15668	257004
2020/09/07 14:27:00	Tuscola	Diagnostic	16964	324701
2020/09/07 14:27:00	Tuscola	Serology	499	9551
2020/09/07 14:27:00	Tuscola	Total	17463	334252
2020/09/07 14:27:00	Unknown	Diagnostic	217945	
2020/09/07 14:27:00	Unknown	Serology	19801	
2020/09/07 14:27:00	Unknown	Total	237746	
2020/09/07 14:27:00	Van Buren	Diagnostic	23251	307240

2020/09/07 14:27:00	Van Buren	Serology	468	6184
2020/09/07 14:27:00	Van Buren	Total	23719	313424
2020/09/07 14:27:00	Washtenaw	Diagnostic	116609	317216
2020/09/07 14:27:00	Washtenaw	Serology	9769	26575
2020/09/07 14:27:00	Washtenaw	Total	126378	343791
2020/09/07 14:27:00	Wayne	Serology	39359	35657
2020/09/07 14:27:00	Wayne	Diagnostic	340799	308747
2020/09/07 14:27:00	Wayne	Total	380158	344405
2020/09/07 14:27:00	Wexford	Diagnostic	6953	206744
2020/09/07 14:27:00	Wexford	Serology	129	3836
2020/09/07 14:27:00	Wexford	Total	7082	210580

# PUBLIC USE DATASETS

## Diagnostic Tests by Result and County

### README

Data include diagnostic tests for COVID-19 by date and county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Correctional includes state and federal prisons and county and city detection facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

The total number of positive tests may exceed the number of confirmed cases due to 1) a single individual may have more than one test performed; 2) MDHHS may receive data on positive tests in advance of a local health department classifying an individual as a confirmed or probable case, and 3) although efforts have been made to deduplicate testing data, some duplication may occur.

**DIAGNOSTIC TESTS BY RESULT AND COUNTY 2020-09-07**

MessageDate	COUNTY	Negative	Positive	Total
9/5/2020	Alcona	32	0	32
9/5/2020	Alger	3	0	3
9/5/2020	Allegan	209	6	215
9/5/2020	Alpena	35	0	35
9/5/2020	Antrim	26	1	27
9/5/2020	Arenac	31	1	32
9/5/2020	Baraga	42	0	42
9/5/2020	Barry	96	3	99
9/5/2020	Bay	532	15	547
9/5/2020	Benzie	37	0	37
9/5/2020	Berrien	472	22	494
9/5/2020	Branch	46	8	54
9/5/2020	Calhoun	303	19	322
9/5/2020	Cass	56	0	56
9/5/2020	Charlevoix	89	6	95
9/5/2020	Cheboygan	43	0	43
9/5/2020	Chippewa	17	0	17
9/5/2020	Clare	17	0	17
9/5/2020	Clinton	105	12	117
9/5/2020	Correctional	18	0	18
9/5/2020	Crawford	19	1	20
9/5/2020	Delta	57	1	58
9/5/2020	Detroit City	2115	66	2181
9/5/2020	Dickinson	37	0	37
9/5/2020	Eaton	225	11	236
9/5/2020	Emmet	144	3	147
9/5/2020	Genesee	686	17	703
9/5/2020	Gladwin	6	0	6
9/5/2020	Gogebic	20	0	20
9/5/2020	Grand Traverse	215	5	220
9/5/2020	Gratiot	101	2	103
9/5/2020	Hillsdale	72	0	72
9/5/2020	Houghton	120	1	121
9/5/2020	Huron	139	1	140
9/5/2020	Ingham	708	37	745
9/5/2020	Ionia	185	4	189
9/5/2020	Iosco	59	2	61
9/5/2020	Iron	177	2	179
9/5/2020	Isabella	93	5	98
9/5/2020	Jackson	412	13	425
9/5/2020	Kalamazoo	458	9	467
9/5/2020	Kalkaska	105	2	107
9/5/2020	Kent	2071	40	2111
9/5/2020	Keweenaw	7	0	7
9/5/2020	Lake	19	1	20
9/5/2020	Lapeer	167	7	174
9/5/2020	Leelanau	19	0	19



9/5/2020	Lenawee	518	9	527
9/5/2020	Livingston	465	24	489
9/5/2020	Luce	36	1	37
9/5/2020	Mackinac	10	0	10
9/5/2020	Macomb	1991	125	2116
9/5/2020	Manistee	48	0	48
9/5/2020	Marquette	225	4	229
9/5/2020	Mason	141	1	142
9/5/2020	Mecosta	88	1	89
9/5/2020	Menominee	197	0	197
9/5/2020	Midland	45	0	45
9/5/2020	Missaukee	15	1	16
9/5/2020	Monroe	473	16	489
9/5/2020	Montcalm	140	6	146
9/5/2020	Montmorency	6	1	7
9/5/2020	Muskegon	295	10	305
9/5/2020	Newaygo	69	1	70
9/5/2020	Oakland	3615	188	3803
9/5/2020	Oceana	52	0	52
9/5/2020	Ogemaw	12	0	12
9/5/2020	Ontonagon	66	0	66
9/5/2020	Osceola	47	2	49
9/5/2020	Oscoda	7	0	7
9/5/2020	Otsego	45	2	47
9/5/2020	Ottawa	833	29	862
9/5/2020	Presque Isle	17	1	18
9/5/2020	Roscommon	81	1	82
9/5/2020	Saginaw	627	19	646
9/5/2020	Sanilac	77	0	77
9/5/2020	Schoolcraft	6	0	6
9/5/2020	Shiawassee	204	8	212
9/5/2020	St Clair	172	2	174
9/5/2020	St Joseph	90	1	91
9/5/2020	Tuscola	151	2	153
9/5/2020	Unknown	1004	7	1011
9/5/2020	Van Buren	183	6	189
9/5/2020	Washtenaw	1675	25	1700
9/5/2020	Wayne	5297	383	5680
9/5/2020	Wexford	32	1	33
9/6/2020	Alcona	11	1	12
9/6/2020	Alger	3	0	3
9/6/2020	Allegan	185	4	189
9/6/2020	Alpena	10	0	10
9/6/2020	Antrim	28	0	28
9/6/2020	Arenac	26	0	26
9/6/2020	Baraga	3	0	3
9/6/2020	Barry	76	0	76
9/6/2020	Bay	58	3	61
9/6/2020	Benzie	19	0	19
9/6/2020	Berrien	336	14	350

9/6/2020	Branch	15	3	18
9/6/2020	Calhoun	188	4	192
9/6/2020	Cass	63	3	66
9/6/2020	Charlevoix	13	0	13
9/6/2020	Cheboygan	12	0	12
9/6/2020	Chippewa	5	1	6
9/6/2020	Clare	12	0	12
9/6/2020	Clinton	71	6	77
9/6/2020	Correctional	5	0	5
9/6/2020	Crawford	17	1	18
9/6/2020	Delta	51	2	53
9/6/2020	Detroit City	791	20	811
9/6/2020	Dickinson	6	0	6
9/6/2020	Eaton	171	6	177
9/6/2020	Emmet	16	0	16
9/6/2020	Genesee	381	6	387
9/6/2020	Gladwin	10	0	10
9/6/2020	Gogebic	10	1	11
9/6/2020	Grand Traverse	142	3	145
9/6/2020	Gratiot	18	3	21
9/6/2020	Hillsdale	26	0	26
9/6/2020	Houghton	13	0	13
9/6/2020	Huron	34	1	35
9/6/2020	Ingham	439	21	460
9/6/2020	Ionia	116	5	121
9/6/2020	Iosco	36	1	37
9/6/2020	Iron	4	0	4
9/6/2020	Isabella	36	0	36
9/6/2020	Jackson	155	3	158
9/6/2020	Kalamazoo	427	21	448
9/6/2020	Kalkaska	121	0	121
9/6/2020	Kent	1280	18	1298
9/6/2020	Keweenaw	1	0	1
9/6/2020	Lake	14	0	14
9/6/2020	Lapeer	58	2	60
9/6/2020	Leelanau	19	0	19
9/6/2020	Lenawee	143	7	150
9/6/2020	Livingston	245	10	255
9/6/2020	Luce	1	0	1
9/6/2020	Mackinac	2	0	2
9/6/2020	Macomb	759	46	805
9/6/2020	Manistee	29	1	30
9/6/2020	Marquette	56	1	57
9/6/2020	Mason	60	0	60
9/6/2020	Mecosta	31	1	32
9/6/2020	Menominee	16	0	16
9/6/2020	Midland	24	0	24
9/6/2020	Missaukee	25	0	25
9/6/2020	Monroe	208	12	220
9/6/2020	Montcalm	78	1	79

9/6/2020	Montmorency	10	0	10
9/6/2020	Muskegon	135	4	139
9/6/2020	Newaygo	35	0	35
9/6/2020	Oakland	1591	77	1668
9/6/2020	Oceana	65	0	65
9/6/2020	Ogemaw	16	0	16
9/6/2020	Osceola	27	0	27
9/6/2020	Oscoda	66	0	66
9/6/2020	Otsego	16	0	16
9/6/2020	Ottawa	285	10	295
9/6/2020	Presque Isle	6	0	6
9/6/2020	Roscommon	39	1	40
9/6/2020	Saginaw	255	20	275
9/6/2020	Sanilac	43	0	43
9/6/2020	Schoolcraft	1	0	1
9/6/2020	Shiawassee	64	4	68
9/6/2020	St Clair	98	2	100
9/6/2020	St Joseph	94	3	97
9/6/2020	Tuscola	67	3	70
9/6/2020	Unknown	237	8	245
9/6/2020	Van Buren	123	3	126
9/6/2020	Washtenaw	568	4	572
9/6/2020	Wayne	1320	37	1357
9/6/2020	Wexford	59	0	59